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🔍 Title: **JP7094189A2: WATERPROOFING METHOD FOR CARBON ROD FOR DRY BATTERY**

🔍 Derwent Title: Carbon waterproofing process for dry batteries - comprises immersing carbon into warm paraffin wax heated to specific temp. and gradually increasing temp. of wax [\[Derwent Record\]](#)

🔍 Country: JP Japan
 🔍 Kind: A (See also: [JP2770716B2](#))

🔍 Inventor: UNO MASATOSHI;
 MAEDA MASANORI;

🔍 Assignee: MATSUSHITA ELECTRIC IND CO LTD
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🔍 Published / Filed: 1995-04-07 / 1993-09-21

🔍 Application Number: JP1993000234509

🔍 IPC Code: [H01M 4/64](#); [H01M 4/75](#); [H01M 6/08](#);

🔍 Priority Number: 1993-09-21 JP1993000234509

🔍 Abstract: PURPOSE: To provide a waterproofing method which is easy to handle and safety by immersing a carbon rod for a dry battery in oil which is heated and kept at a specified temperature for a specified time, then by heating at a temperature same as or higher than the temperature of the oil.


CONSTITUTION: A carbon rod for a dry battery, which is baked but not yet waterproof treated is immersed in oil or paraffin wax heated and kept at 80-150°C for 3-10 minutes, then taken out. The carbon rod is heated at a temperature higher than the temperature of the oil or paraffin wax for several hours. The carbon rod having high air permeability and satisfying the blind core test can be obtained.

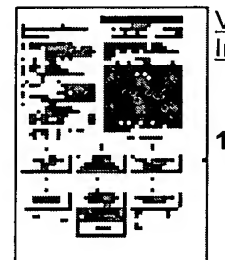
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| PDF | Patent | Pub.Date | Inventor | Assignee | Title |
|---|---------------------------|------------|--------------------|--------------|--|
|  | US6586912 | 2003-07-01 | Tsukamoto; Hisashi | Quallion LLC | Method and apparatus for amplitude limiting battery temperature spikes |



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DERABS C95-173464 DERC95-173464



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(11) Publication number: **07094**

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PATENT ABSTRACTS OF JAPAN(21) Application number: **05234509**(51) Intl. Cl.: **H01M 4/64 H01M 4/75 H01M 6/08**(22) Application date: **21.09.93**

(30) Priority:

(43) Date of application
publication: **07.04.95**(84) Designated contracting
states:(71) Applicant: **MATSUSHITA ELECTRIC IN:
LTD**(72) Inventor: **UNO MASATOSHI
MAEDA MASANORI**

(74) Representative:

**(54) WATERPROOFING
METHOD FOR CARBON ROD
FOR DRY BATTERY**

(57) Abstract:

PURPOSE: To provide a waterproofing method which is easy to handle and safety by immersing a carbon rod for a dry battery in oil which is heated and kept at a specified temperature for a specified time, then by heating at a temperature same as or higher than the temperature of the oil.

CONSTITUTION: A carbon rod for a dry battery, which is baked but not yet waterproof treated is immersed in oil or paraffin wax heated and kept at 80-150°C for 3-10 minutes, then taken out. The carbon rod is heated at a temperature higher than the temperature of the oil or paraffin wax for several hours. The carbon rod having high air permeability and satisfying the blind core test can be obtained.

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